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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,453	12/23/2003	Yukiyasu Tatsuzawa	008312-0307347	1763
909	7590	08/24/2006	EXAMINER	
PILLSBURY WINTHROP SHAW PITTMAN, LLP			LAMARRE, GUY J	
P.O. BOX 10500			ART UNIT	
MCLEAN, VA 22102			PAPER NUMBER	
			2133	

DATE MAILED: 08/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/743,453	TATSUZAWA, YUKIYASU	
	<b>Examiner</b>	<b>Art Unit</b>	
	Guy J. Lamarre	2133	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 December 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>6/3/05, 12/23/03</u> . | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. Pursuant to 35 USC 131, **Claims 1-8** are presented for examination.

#### Claim Rejections - 35 USC ' 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

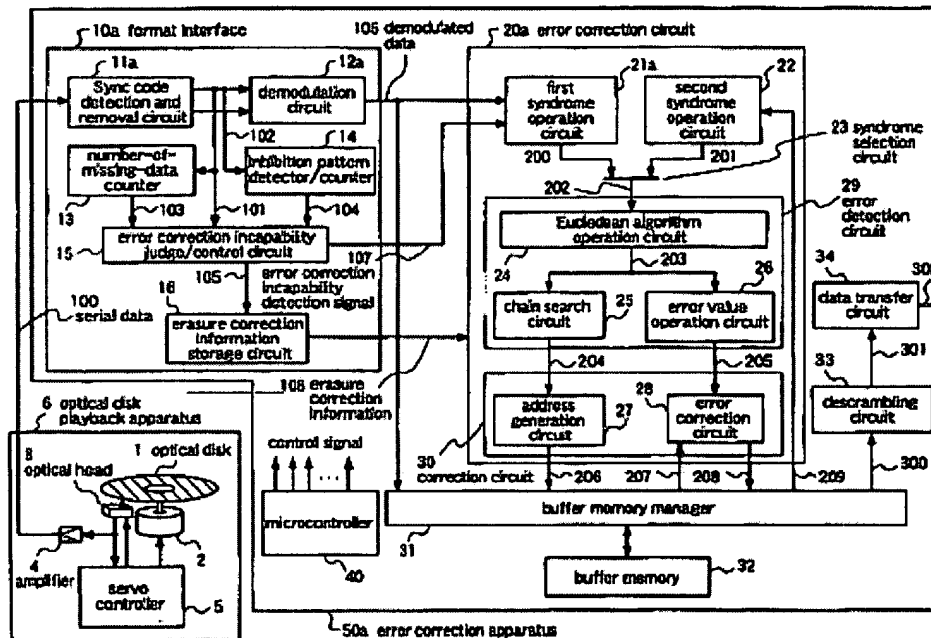
A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

- 2.1 **Claims 1-8** are rejected under 35 U.S.C. 102 (e) as being anticipated by **Maeda et al.** (US Patent No. 6,697,989; filing date: September 8, 2000).

As per **Claims 1-8**, **Maeda et al.** depicts, in Fig. 1 and related description in col. 1 line 5 et seq., equivalent data processing apparatus/method for processing data read out from an information storage medium block, data to be recorded on the information storage medium (*block 3*) for respective recording units being a data block with sync codes(*block 11a*), the data block being a block generated by inserting sync codes at predetermined intervals for sector data, the sector data being generated from some data of the data block with error correction codes(*block 15*), the data block containing data in row and column directions, one data sequence containing at least two sync frames; one sync frame containing a sync code and some data of the sector data, a demodulated data sequence (*block 12a*) obtained by removing the sync codes from one data sequence being data that contains the error correction codes, and error correction being able to be attained for each demodulated data sequence, the data processing apparatus comprising: a syndrome calculation unit (*blocks 21a, 22*) configured to calculate a syndrome of the demodulated data sequence, and the syndrome calculation unit including a calculation unit configured to make a calculation required to realize syndrome calculation of demodulated data for each sync frame obtained by excluding one sync frame.

Fig.1



Apparatus further comprising: a storage unit (*block 31*) configured to store the demodulated data sequence; and an error correction (*blocks 15,28*) unit configured to detect and correct any errors contained in the demodulated data sequence stored in the storage unit, wherein the syndrome calculation unit calculates the syndrome of the demodulated data sequence in parallel (Abstract: 2<sup>nd</sup> sentence) with the storage process of the demodulated data sequence by the storage unit.

Apparatus further comprising: a calculation result storage unit configured to store the syndrome calculation result calculated by the syndrome calculation unit (*blocks 21a,22*); and a management unit configured to manage a read-out state of data from the information storage medium for respective sync frames, wherein the syndrome calculation unit calculates the syndrome of the demodulated data sequence on the basis of the read-out state of data managed by the management unit.

Apparatus wherein the error correction unit (*blocks 29-30*) detects and corrects any errors on the

Art Unit: 2133

basis of the syndrome calculation result stored in the calculation result storage unit, and the read-out state of data managed by the management unit.

### CONCLUSION

\* Any response to this action should be mailed to:

Commissioner of Patents and Trademarks, Washington, D.C. 20231

**or faxed to:** (571) 273-8300 for all formal communications.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Guy J. Lamarre, P.E., whose telephone number is (571) 272-3826. The examiner can normally be reached on Monday to Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert De Cady, can be reached at (571) 272-3819.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-3609.

Information regarding the status of an application may also be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Guy J. Lamarre, P.E.  
Primary Examiner  
8/21/2006

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